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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/626,710

07/25/2003

Costanzo Lorenzotti

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EXAMINER

MATZEK, MATTHEW D

ART UNIT

PAPER NUMBER

1771

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
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3 MONTHS

01/25/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/626,710

Applicant(s)

LORENZOTTI ET AL.

Examiner

Matthew D. Matzek

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1771

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 November 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 14-16,21,23-25,27 and 28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 14-16,21,23-25,27 and 28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/6/2006 has been entered.
2. The amendment dated 11/6/2006 has been fully considered and entered into the Record. Claims 1-13, 17-20, 22, 26 and 29 have been canceled. Claims 14-16, 21, 23-25, 27 and 28 are currently active. The amended claims contain no new matter. The previously applied rejections in view of Putnam et al., Quantrille et al. and Cohen et al. have been withdrawn as they failed to teach articles consisting of cotton fibers.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 14-16, 21, 23-25, 27 and 28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Independent claims 14 and 27 recite a process for hydroentangling a plurality of pure cotton fibers, as further clarified by Applicant's most recent amendment. It is unclear to Examiner, if Applicant is intending to claim a hydroentangled nonwoven, which is a common article, and/or woven and hydroentangled article which calls for a the weaving of a nonwoven or the post-treatment of a woven article with water jets. For

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purposes of examination, Examiner has interpreted the instantly claimed article to comprise a hydroentangled nonwoven fabric.

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. Claims 14-16, 21, 23-25, 27 and 28 are rejected under 35 U.S.C. 102(e) as being anticipated by Warlick et al. (US 2003/0127342).

Warlick et al. teach a nonwoven fabric comprising hydrodynamically entangled short-staple "cotton fibers" (Abstract). The term "cotton fibers" is intended to mean pure cotton fibers of less than $1\frac{1}{8}$ " [0006]. The non-integrated batt of cotton fibers may vary between $\frac{1}{8}$ " and 5" in thickness [0018]. Following hydroentangling the batt will be compressed from its non-integrated state. This results in a final product of the claimed thickness. The batts have a basis weight between 50g/m^2 and 200g/m^2 [0027]. This will not change following hydroentanglement. The invention of Warlick et al. is silent as to the weight per inch of fiber length, however as the invention of Warlick et al. is made with non-allegenic natural pure cotton fibers, which is the same as claimed by Applicant the fibers of Warlick et al. necessarily anticipates the limitation of claim 23. Claims 24 and 25 are rejected as the applied art teaches the use of cotton staple fibers and in Applicant's specification it is taught to meet the instant limitations in [0041]. Claim 26 is rejected as the article of Warlick et al. calls for hydroentanglement (Abstract). This is same process (Applicant's claim 14) used by Applicant to create the structure of claims 14 and 27. The invention of Warlick et al. is a nonwoven fabric of entangled pure cotton fibers to form a binderless integrated web [0005].

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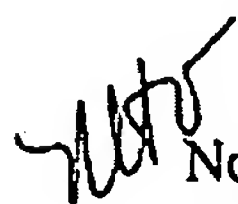
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew D. Matzek whose telephone number is (571) 272-2423. The examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on (571) 272-1478. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mdm MDM



Norca L. Torres-Velazquez
Primary Examiner
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